

FIGURE 1

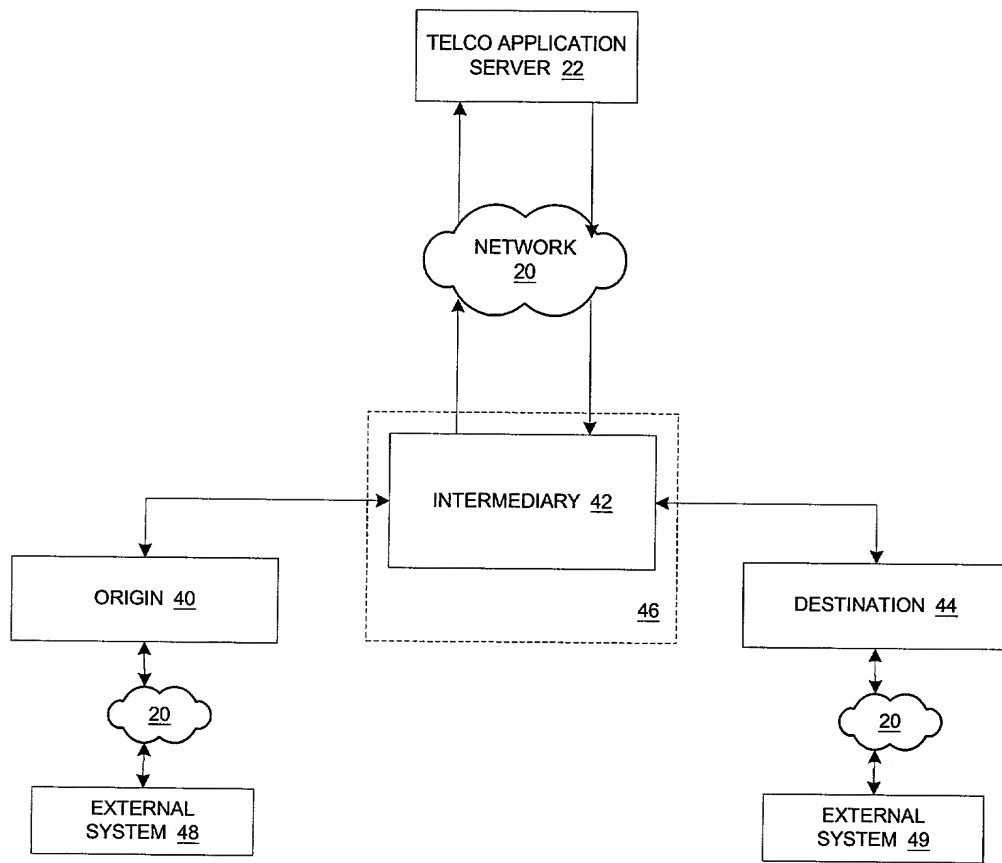


FIGURE 2

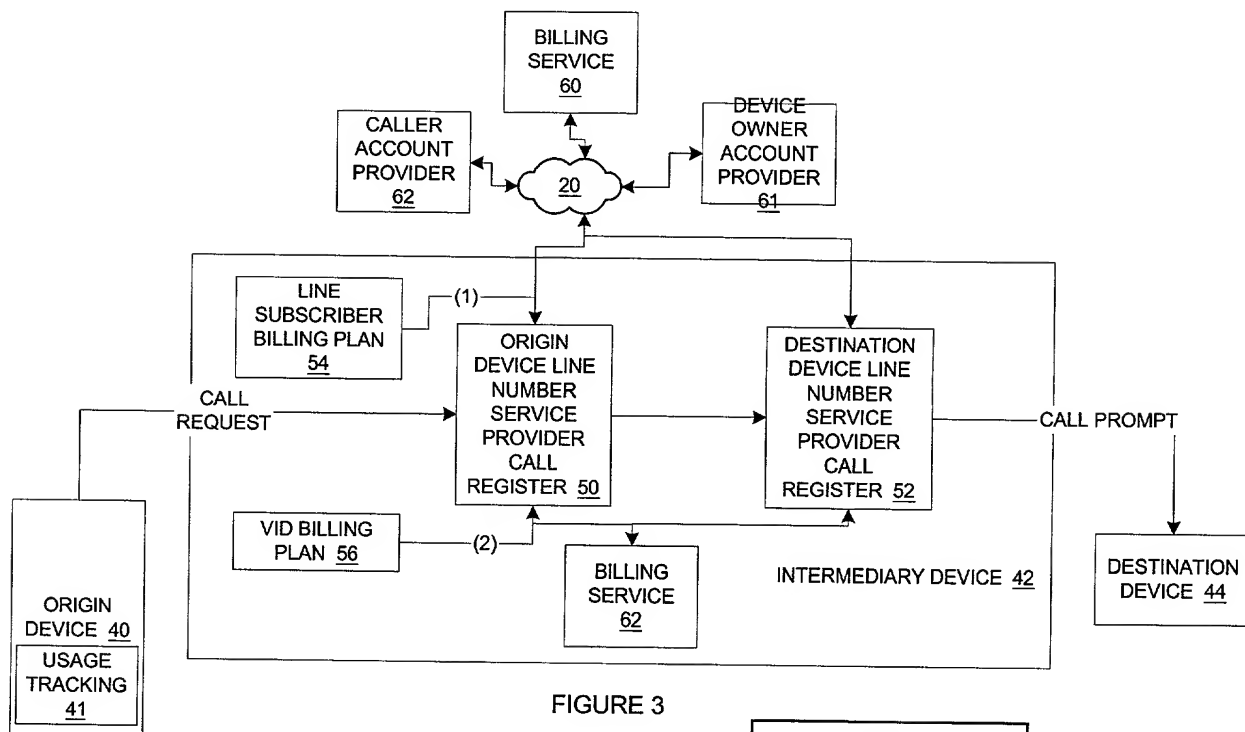
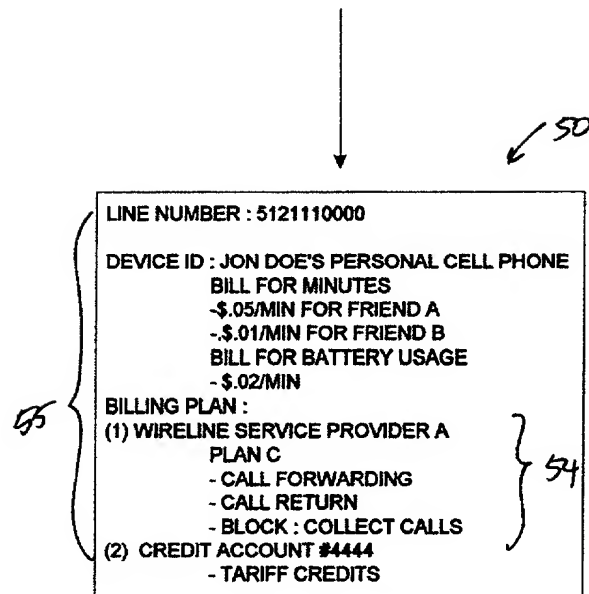


FIGURE 3

ORIGIN LINE NUMBER
SUBSCRIBER PROFILE



VID PROFILE REQUEST

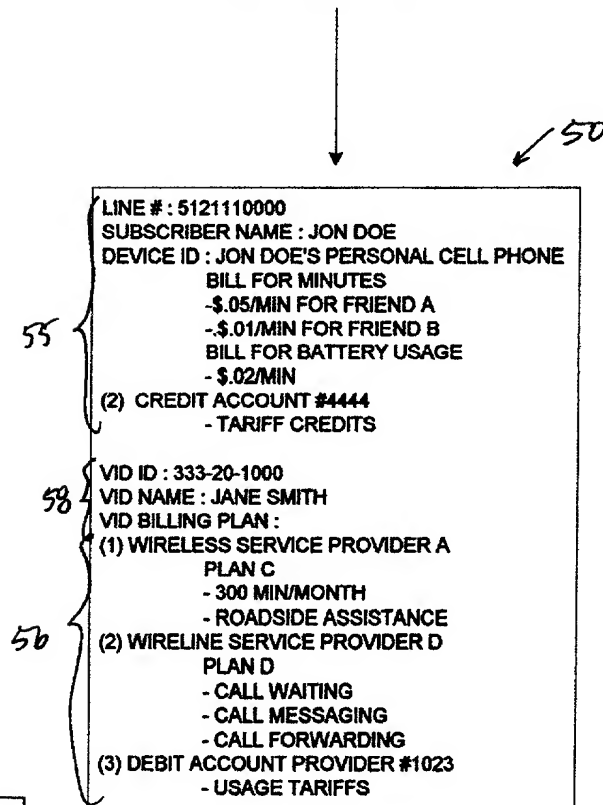


Figure 4

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sequenceDiagram
    participant ORIGIN_TEL as ORIGIN TEL
    participant CENTRAL_OFFICE as CENTRAL OFFICE
    participant SCP_NETWORK as SCP AND/OR EXTERNAL NETWORK
    participant IP_SERVER as IP AND/OR TELCO APP SERVER

    ORIGIN_TEL->>CENTRAL_OFFICE: S1 OFF-HOOK
    CENTRAL_OFFICE->>SCP_NETWORK: S2 LINE SUBSCRIBER PROFILE REQ
    SCP_NETWORK-->>CENTRAL_OFFICE: S3 SUBSCRIBER PROFILE
    CENTRAL_OFFICE->>SCP_NETWORK: S4 LOAD PROFILE
    ORIGIN_TEL->>CENTRAL_OFFICE: S5 DIAL TONE
    ORIGIN_TEL->>CENTRAL_OFFICE: S6 DIAL DIGITS
    CENTRAL_OFFICE->>IP_SERVER: S7 CALLER AUTHENTICATION SERVICE REQUEST
    IP_SERVER-->>CENTRAL_OFFICE: S8 VID
    CENTRAL_OFFICE->>SCP_NETWORK: S9 VID PROFILE REQ
    SCP_NETWORK-->>CENTRAL_OFFICE: S10 VID PROFILE
    CENTRAL_OFFICE->>SCP_NETWORK: S11 LOAD PROFILE
    CENTRAL_OFFICE->>IP_SERVER: S12 PROCESS CALL
    IP_SERVER-->>CENTRAL_OFFICE: (BILLING CALLER FOR SERVICES)
    ORIGIN_TEL->>CENTRAL_OFFICE: S13 END CALL
    ORIGIN_TEL->>CENTRAL_OFFICE: S14 USAGE TRACKING
    CENTRAL_OFFICE->>IP_SERVER: S15 INITIATE BILLING SERVICES
  
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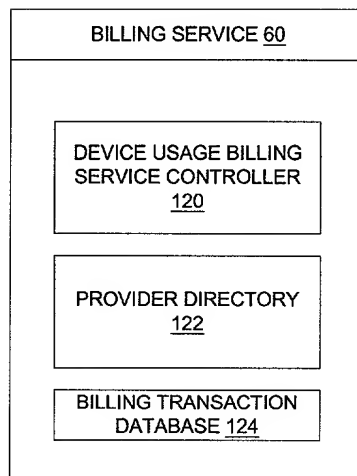


FIGURE 6

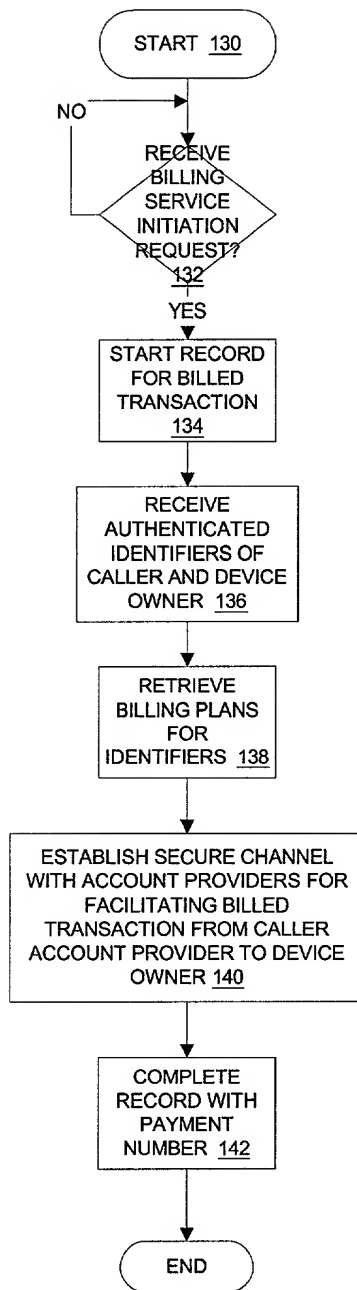


FIGURE 7